

A transmission system, including a content server, an optical transmitter having an input connected to the content server and having an output for producing optical signals indicative of content on the server, an optical switching device for selectively multi-casting optical signals, and a plurality of optical receivers connected to the switching device and receiving multicast optical signals. The optical switching device may further include an optical duplicator having an input connected to the output of the transmitter and having a plurality of outputs, and a plurality of separately controllable optical switching elements connected to the outputs of the optical duplicator.